

What is claimed is:

1. A method for managing AV/C descriptor data, comprising in combination:

compiling a plurality of containers;
registering one or more fields within each said container; and
arranging said containers into a logical hierarchy.

2. The method of claim 1, further comprising:
associating addresses with each of said fields sequentially
enumerated within each of said containers.

3. The method of claim 2, further comprising mapping said fields to a
prescribed field list.

4. The method of claim 3, further comprising:
accessing any field within any container independently of any other
container; and
reading data from any field within any container without affecting
the access to any other container.

5. The method of claim 4, wherein said plurality of containers comprise in combination an AV/C general object list descriptor.

6. In a memory space, an AV/C descriptor management system, comprising in combination:

a plurality of descriptor data containers;

one or more data fields within each said container; and

wherein said containers are arranged in a hierarchical format.

7. The AV/C descriptor management system of claim 6, further comprising unique address registers associated with each said field.

8. The AV/C descriptor management system of claim 7, further comprising means for building a read buffer in response to a read descriptor request, said read buffer presented in a standardized list format.

9. The AV/C descriptor management system of claim 8 wherein said means for building a read buffer includes means for mapping said address registers to said standardized list format fields.

10. The AV/C descriptor management system of claim 9 further comprising a plurality of child containers, said child containers including at least

an object list header container, an object list specific container, and an object list entries container reflecting the number of object list entries included therebeneath, said object list entries container including at least one child container in the form of an object list entry.

11. A method for compiling an AV/C descriptor readable buffer from one or more data containers, comprising in combination:

- identifying a top level data container;
- initializing compilation attributes;
- sequentially reading the container data; and
- copying said read data into a readable buffer.

12. The method of claim 11 wherein said initializing activity comprises in combination:

- establishing a read buffer in a memory space and setting the read buffer offset to zero;
- establishing a received address request as a starting address;
- establishing a received read length request as a length sought.

13. The method of claim 12 wherein the sequentially reading container data activity includes recursively searching for responsive data, said recursive search initialized with said initialized attributes.